

Docket No. 244079US2



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Kyesan LEE, et al.

SERIAL NO: 10/686,560

GAU: 2665

FILED: October 17, 2003

EXAMINER:

FOR: TRANSMITTER DEVICE AND TRANSMITTING METHOD USING OFDM AND MC-CDMA

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the Japanese Office Action and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Marvin J. Spivak

Registration No. 24,913

Joseph Scafetta, Jr.  
Registration No. 26,803

Customer Number

22850

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

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**STATEMENT OF RELEVANCY**

**Reference AW on Form PTO-1449:**

Shows simulation result to indicate the capacity improvement by the VSF-OFDM system.

## LIST OF REFERENCES CITED BY APPLICANT

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	2001-320346	11/16/2001	Japan (with English Abstract)		X
	AP	2002-246958	8/30/2002	Japan (with English Abstract)		X
	AQ	10-93650	4/10/1998	Japan (with English Abstract)		X
	AR	2002-9734	1/11/2002	Japan (with English Abstract)		X
	AS	11-150530	6/2/1999	Japan (with English Abstract)		X
	AT	2001-251270	9/14/2001	Japan (with English Abstract)		X
	AU	2002-204192	7/19/2002	Japan (with English Abstract)		X
	AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	Hiroyuki ATARASHI, et al., "Performance of Broadband OFCDM Packet Wireless Access Employing Variable Spreading Factor", PROCEEDINGS of the 2001 COMMUNICATIONS SOCIETY CONFERENCE of IEICE, August 29, 2001, page 333				
	AX	Hiroyuki ATARASHI, et al., "Performance of VSF-OFCDM with Two-Dimensional Spreading Prioritizing Time Domain Spreading", TECHNICAL REPORT of IEICE, vol. 102, no. 150, June 21, 2002, pages 61-66 (with English Abstract)				
	AY					
	AZ					<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.